Figure 1

Operating Software Scheduling Priority Recorder

Overview of the Operating Software Scheduling Priority Recorder interfaces with the operating system and user application.
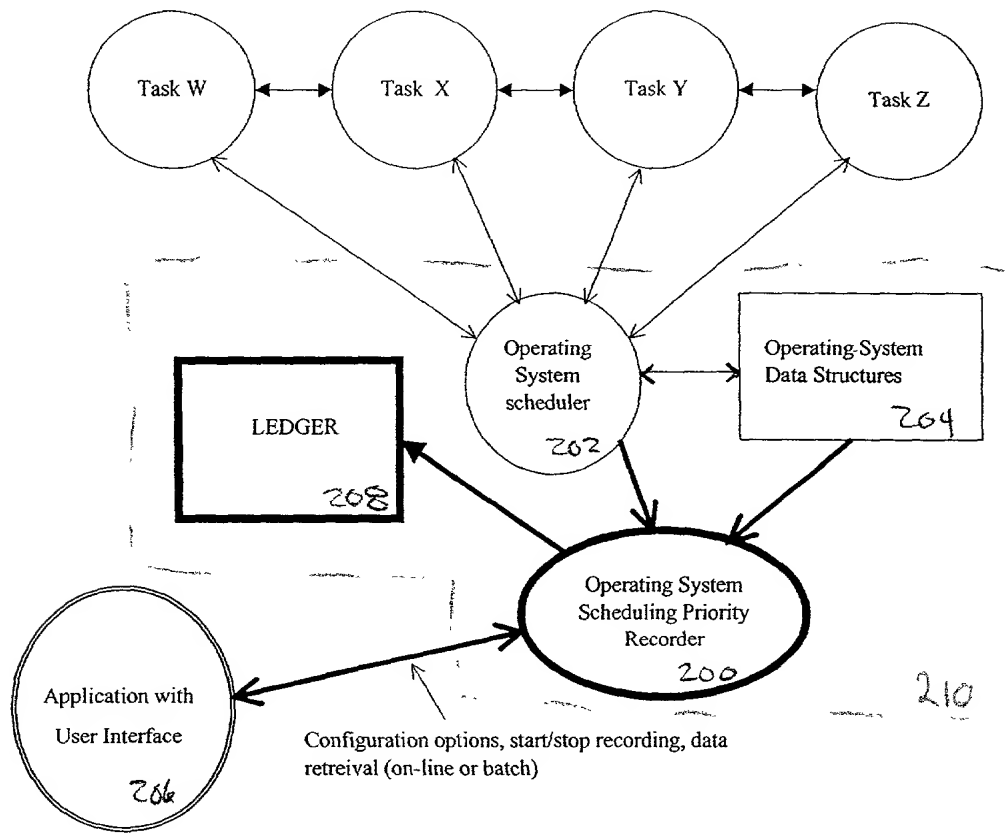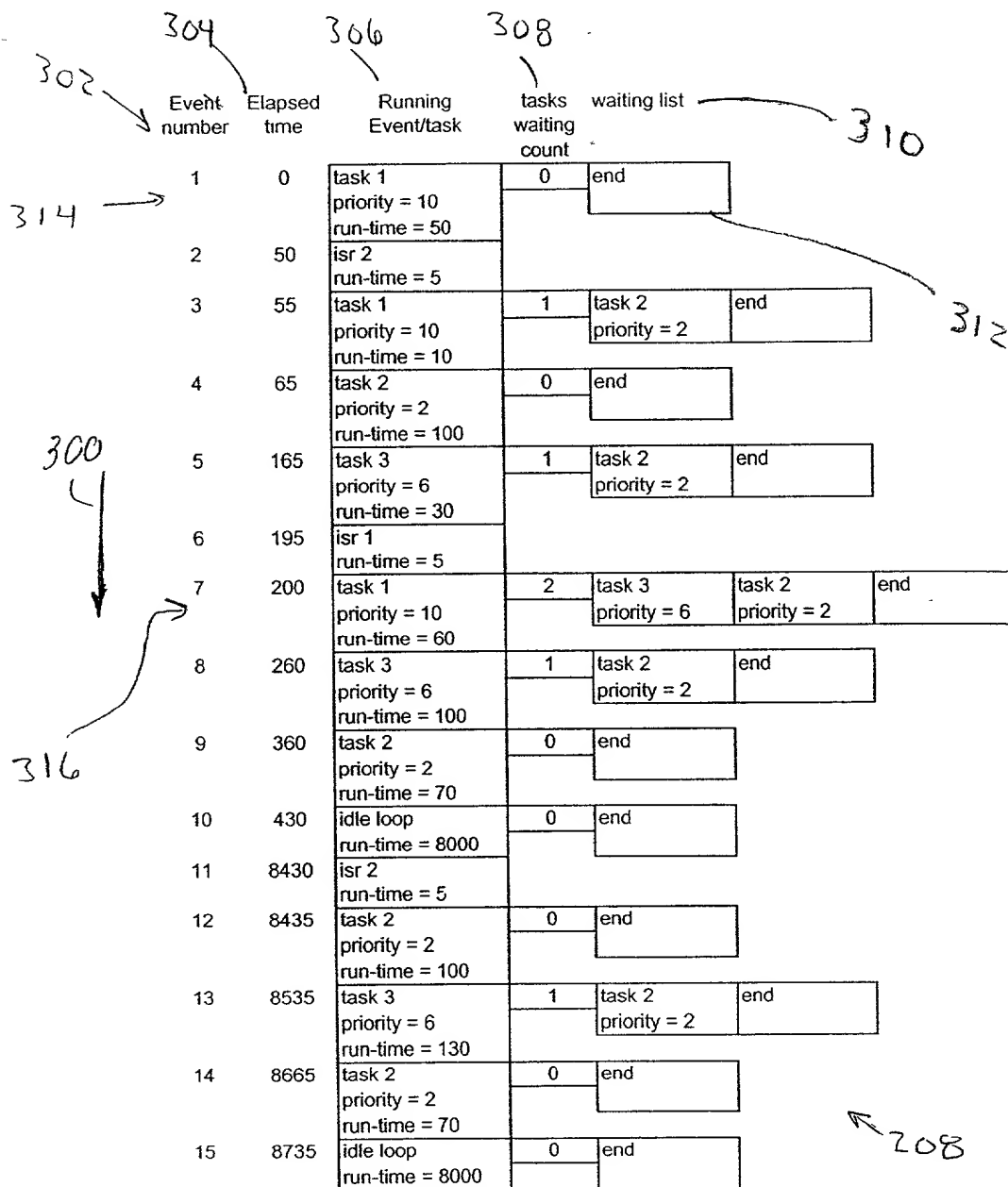

Figure # 2

302 304 306 308 310 312 314 300 316

Event number	Elapsed time	Running Event/task	tasks waiting count	waiting list			
1	0	task 1 priority = 10 run-time = 50	0	end			
2	50	isr 2 run-time = 5					
3	55	task 1 priority = 10 run-time = 10	1	task 2 priority = 2	end		
4	65	task 2 priority = 2 run-time = 100	0	end			
5	165	task 3 priority = 6 run-time = 30	1	task 2 priority = 2	end		
6	195	isr 1 run-time = 5					
7	200	task 1 priority = 10 run-time = 60	2	task 3 priority = 6	task 2 priority = 2	end	
8	260	task 3 priority = 6 run-time = 100	1	task 2 priority = 2	end		
9	360	task 2 priority = 2 run-time = 70	0	end			
10	430	idle loop run-time = 8000	0	end			
11	8430	isr 2 run-time = 5					
12	8435	task 2 priority = 2 run-time = 100	0	end			
13	8535	task 3 priority = 6 run-time = 130	1	task 2 priority = 2	end		
14	8665	task 2 priority = 2 run-time = 70	0	end			
15	8735	idle loop run-time = 8000	0	end			

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FIGURE 3

400 402 404 406

Elapsed Time	Program Schedule Count	Program Preempts	Interrupts
8735	5	3	3

FIGURE 4